A new digital projector that projects “true” S-XGA images with breakthrough D-ILA™ technology

Large-size projection images with all the sharpness and clarity of a small-screen image — that’s what you’ll get with the new D-ILA™ projector. Drawing on the advanced technology that made possible the unique ILA® (Image Light Amplifier) device, the new D-ILA™ (Direct Drive ILA) offers the most desirable combination of superb picture quality, operational ease, and affordability.

Featuring true S-XGA capability, the new D-ILA™ projector gives you the power to project the high-resolution graphics and CAD images created by today’s advanced workstations directly onto a large projection screen with no loss of quality whatsoever.

This versatile projector is also equipped to show moving images from advanced AV equipment, and reproduce them on an extra-large screen with all the sharpness and clarity of the originals. Images projected on the screen with the D-ILA™ projector rival the intensity and brilliance of those seen in a movie theater.

Combining the outstanding image reproduction of an ILA® projector and the user-friendliness of a lightweight projector, the new D-ILA™ projector takes projection images far beyond the limitations of conventional LCD and CRT projectors.

**High brightness**

1000 ANSI Lumens

**Superb picture quality**

1365x1024 true S-XGA resolution

**Compact & lightweight**

Only 14.8 kg (32.6 lbs)

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**Projector Device Innovation — Direct-Drive ILA (D-ILA™)**

**D-ILA™ Structure**

The D-ILA™ device is a reflective type of LCD which delivers a higher aperture ratio (more than 95%) than a transmissive LCD panel, and is comprised of groups of pixels which correspond to each image dot. Also unlike conventional transmissive LCD panels (in which the driving transistor is mounted on the same surface as the pixels), the D-ILA™ device (C MOS substrate) is located behind the liquid crystal layer. As a result, the D-ILA™ device can achieve higher brightness and higher resolution at the same time. In addition, thanks to the vertical alignment (“homeotropic” structure) of the liquid crystal layer, projected images also have much higher contrast.

**D-ILA™ Operation**

The light from the xenon lamp travels through a polarized beam splitter (PBS), which is reflected off the D-ILA™ device, then passed through the projection lens and onto the screen.
Adaptive DPC Circuitry

The Adaptive DPC (Digital Pixel Conversion) technology optimizes picture quality no matter what the input signal, resolution to assure smooth, clear images. Variable scanning frequency ranging from 15 kHz to 82 kHz assures compatibility with a wide range of source signals.

Digital Gamma Correction

Newly developed 10-bit Digital Gamma Correction circuitry is incorporated to facilitate more accurate gray scale and color reproduction. Even the intricately colored images created by graphics workstations can be clearly reproduced and displayed on the screen.

User-Replaceable Xenon Lamp

This xenon lamp assures superb color reproduction and clarity — equivalent to that seen in movie theaters. With extra-high brightness of 1,000 ANSI Lumens, projected images can be even viewed comfortably under fluorescent light.

Quick & Easy Setup

The D-ILA™ projector’s quick start design makes it possible to start operation within 2 minutes of switching on the power. Single lens construction eliminates the need to adjust the various registrations, while the power zoom and power focus functions greatly reduce the need for projector alignment.

Resizing Function

The combination of the high definition D-ILA™ device with our innovative Adaptive DPC (Digital Pixel Conversion) circuitry enables the D-ILA™ projector to project “expanded” XGA images (1,024 x 768 pixels), S-VGA images (800 x 600 pixels), and VGA images (640 x 480 pixels), as well as the fully dot-to-dot coincident S-XGA images (1,280 x 1,024 pixels). Optimum pixel conversion is performed by the incorporated Adaptive DPC circuitry according to the characteristics of the projection source signals. The result is amazingly natural picture reproduction.

To project image data that has a different number of pixels from that of the built-in device, you can use either the “Window projection” or “Resizing projection” method.  
- Resizing projection: Adaptive DPC circuit expands the original data to a full-screen image.  
- Window projection: If the source signal has lower resolution than the D-ILA™ device, the projected image appears at the same resolution as the input source, with a black frame around it.

Other features include

- On-screen menu (6-language selectable)  
- Auto-alignment function for automatic adjustment of tracking, phase and position  
- Up-down/left-right inversion  
- Selectable color temperature (High/Mid/Low)  
- Selectable background color (when no signal is input)  
- 1000 hours of lamp life  
- Lamp life “warning” indicator  
- Lamp “sleep” function — in the absence of any signal for a preset time (10 min., 20 min., 30 min., or 60 min. selectable), the lamp is automatically shut off for safety and power saving
An Ideal Combination of Superb Picture Quality and User-Friendliness with Easy Setup

**D-ILA™ device for next-generation image reproduction**

Based on the ILA™ (Image Light Amplifier) device developed by Hughes-JVC Technology Corporation, the new D-ILA™ (Direct Drive ILA) device provides high-resolution picture quality for the big screen. Utilizing a high density reflective LCD with a homeotropic structure in which the LCD elements are aligned vertically, the D-ILA™ device produces extra-bright, high-resolution, high-contrast images.

**Adaptive DPC Circuitry**

The Adaptive DPC (Digital Pixel Conversion) technology optimizes picture quality no matter what the input signal resolution to assure smooth, clear images. Variable scanning frequency ranging from 15 kHz to 82 kHz assures compatibility with a wide range of source signals.

**Workstation-Quality Resolution & Brightness**

Featuring the same superb image reproduction capability provided by an ILA™ device, the D-ILA™ projector can project extra-high resolution images of up to 1,365 x 1,024 pixels. That means it can easily handle even the super-sharp clarity of an S-XGA (1,280 x 1,024 dots) image without scaling or loss of quality.

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**Quick & Easy Setup**

The D-ILA™ projector’s quick start design makes it possible to start operation within 2 minutes of switching on the power. Single lens construction eliminates the need to adjust the various registrations, while the power zoom and power focus functions greatly reduce the need for projector alignment.

**Full signal input capability**

As a projector designed for multimedia applications, the D-ILA™ projector is equipped with a full array of input connectors, allowing virtually any type of image signal to be displayed. Component inputs let you connect advanced AV equipment, while the two provided PC inputs enable you to switch between source signals from two different computers. Future-ready DTV (Digital TV) capability is also provided and a variety of high-definition digital broadcast signal formats can be accommodated including 480i, 480p, 720p and 1080i.

**Other features include**

- On-screen menu (6-language selectable)
- Auto-alignment function for automatic adjustment of tracking, phase and position
- Up-down/left-right inversion
- Selectable color temperature (High/Mid/Low)
- Selectable background color (when no signal is input)
- 1000 hours of lamp life
- Lamp life “warning” indicator
- Lamp “sleep” function — in the absence of any signal for a preset time (10 min., 20 min., 30 min., or 60 min. selectable), the lamp is automatically shut off for safety and power saving

**Distance Table**

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**DLA-G11 Throw Distance vs Screen Width**

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<td>IRC</td>
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</tbody>
</table>

**User Friendly Design**

Designed with easy handling in mind, the compact, lightweight projector can even be carried with one hand. Remote-control capability and a comprehensive on-screen display make this projector very easy to operate. An RS-232C serial communication port is also provided so the projector can be controlled directly from a computer.
SPECIFICATIONS

**Image Device**
- D-ILA™ (0.9 inches diagonal) direct drive liquid crystal light valves

**Projection Lens**
- 2 : 1 – 3 : 1
  - Throw distance : Screen width
  - 1.5X Power Zoom, Power Focus

**Brightness**
- 1,000 ANSI lumens

**Resolution**
- 1,365 x 1,024 pixels
  - Full coverage of SXGA (1,280 x 1,024) Graphics
  - S-XGA, XGA, SVGA, VGA
  - 1,000 TV lines (Video)

**Contrast Ratio**
- More than 350 : 1

**Color Reproduction**
- 16.7 million color

**Projection Method**
- Front/rear/upside-down

**Scan Frequency**
- Horizontal: 15 – 82 kHz
- Vertical: 50 – 78 Hz

**Input**
- Analog RGB x 2 (D-Sub (female) x 1, R,G,B,H,V x 1)
- Y/C-Separated x 1
- Composite x 1
- Component x 1 (Y/Pb/Pr for HDTV)

**Output**
- PC Monitor D-sub (female) Audio Stereo

**Throw Distance**
- 8 ft – 65 ft (2.5 m – 20 m)

**Screen Size**
- Wide: 63” – 527” (1,600 mm – 13,385 mm) (diagonal)
- Tele: 42” – 346” (1,066 mm – 8,788 mm) (diagonal)

**Lamp**
- 420 watts, Xenon

**Audio**
- Built-in stereo speakers (1 W + 1 W stereo)

**Input Power**
- 100 – 120 V, 50/60 Hz AC

**Power Consumption**
- 660 W

**Dimensions (WxHxD)**
- 16.73” x 9.92” x 13.35” (425 x 252 x 339 mm)

**Weight**
- 33 lbs (15 kg)

**Provided Accessories**
- AC cable, Wireless (infrared) remote control
- PC connection cable (D-sub 15-pin male – D-sub 15-pin male)
- Adapter for Macintosh
- AV cable, BNC-RCA adapter, Audio cable
- Lens cap, Operation manual
- Battery for remote control unit x 2